BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : CONSTRUCTION OF COMPOUND WALL AND OTHER ALLIED WORKS AT JUDICIAL LAYOUT PLAY GROUND IN WARD NO.04

Sl.No	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs
1	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(b) / 2.3.5. (P.No. 6 / I.No. 2.4)								
	Retaining Wall								
	Northenside	Cum	1	80.3	5	5.85	2348.78		
	Easternside	Cum	1	10.6	5	4	212.00		
		Cum	1	66.5	5	5.85	1945.13		
	Basic Rate							449.00	
	Area weightage 8%							35.92	
	Total						**4505.90**	**484.92**	**2185001.03**
2	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No. 13 / I.No. 4.2)								
	Retaining Wall								
	Northenside	Cum	1	80.3	4.8	0.15	57.82		
	Easternside	Cum	1	10.6	3.5	0.15	5.57		
		Cum	1	66.5	4.8	0.15	47.88		
	Basic Rate							5194.00	
	Area weightage 8%							415.52	
	Total						**111.26**	**5609.52**	**624120.80**
3	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. specification. No. KBS								
	Retaining Wall								
	Northenside	Cum	1	80.3	4.8	0.2	77.09		
	Easternside	Cum	1	10.6	3.5	0.2	7.42		
		Cum	1	66.5	4.8	0.2	63.84		
	Basic Rate							2429.00	
	Area weightage 8%							194.32	
	Total						**148.35**	**2623.32**	**389164.28**

Sl.No	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs
4	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification. P-7								
	Excavated earth	Cum		From SL no 1			4505.90		
	Deduction	Cum							
	granite / trap broken metal	Cum		From SL no 3			-148.35		
	PCC	Cum		From SL no 2			-111.26		
	Reating Wall base Concrete	Cum		From SL no 8			-435.77		
	Basic Rate							201.00	
	Area weightage 8%							16.08	
	Total						**3810.52**	**217.08**	**827188.12**
5	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge. Pg No 136,Item No17.4								
	Excavated earth quantity	Cum		From SL no 1			4505.90		
	Filling available excavated earth	Cum		From SL no 4			-3810.52		
	Loading and unloading item no.17.1 KSRRB M 100-1	Cum						57.00	
	Basic rate for haulage of materials as per item No. 17.4 KSRRB : M	t.km		For surface roads exluding Basic rate loading & unloading				2.00	
	Average Weight of earth	For2Kms =2x1.28x2						5.12	
	Basic rate							62.12	
	Area weightage 8%							4.97	
	Total						**695.38**	**67.09**	**46652.63**
6	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 Pg No 16, Item no.4.31								
	Retaining Wall								
	Northenside								
	Base Concrete	Sqm	1	170.2		0.6	102.12		
	Wall	Sqm	1	161.2		4.9	789.88		
	Easternside								
	Base Concrete	Sqm	1	28.2		0.35	9.87		
	Wall	Sqm	1	21.7		3.3	71.61		
	Base Concrete	Sqm	1	142.6		0.6	85.56		
	Wall	Sqm	1	133.6		4.9	654.64		

Sl.No	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs
	Gallery Steps								
	Westernside								
	1st Step	Sqm	10	3.2		0.15	4.80		
	2nd Step	Sqm	10	2.6		0.15	3.90		
	Southernside								
	1st Step	Sqm	25	3.2		0.15	12.00		
	2nd Step	Sqm	25	2.6		0.15	9.75		
	Easternside								
	1st Step	Sqm	10	3.2		0.15	4.80		
	2nd Step	Sqm	10	2.6		0.15	3.90		
								358.00	
	Basic Rate							28.64	
	Area weightage 8%						1752.83	386.64	677714.19
	Total								
7	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.13, I.No. 4.5 of PWD SR 2018-19)								
	Gallery Steps								
	Westernside								
	1st Step	Cum	10	2.00	0.60	0.15	1.80		
	2nd Step	Cum	10	2.00	0.30	0.15	0.90		
	Southernside								
	1st Step	Cum	25	2.00	0.60	0.15	4.50		
	2nd Step	Cum	25	2.00	0.30	0.15	2.25		
	Easternside								
	1st Step	Cum	10	2.00	0.60	0.15	1.80		
	2nd Step	Cum	10	2.00	0.30	0.15	0.90		
								5328.00	
	Basic Rate							426.24	
	Area weightage 8%						12.15	5754.24	69914.02
	Total								
8	KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and First Floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications.KBS 4.1, 4.6, Pg No 14, Item no.4.10								
	Retaining Wall								
	Northenside								

Sl.No	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs
	Base Concrete	Cum	1	80.3	4.8	0.6	231.26		
	Wall	Cum							
	Rectangle Portion	Cum	1	80.3	0.3	4.9	118.04		
	Triangle Portion	Cum	1	80.3	0.15	4.9	59.02		
	Easternside	Cum							
	Base Concrete	Cum	1	10.6	3.5	0.35	12.99		
	Wall								
	Rectangle Portion	Cum	1	10.6	0.25	3.3	8.75		
	Triangle Portion	Cum	1	10.6	0.05	3.3	1.75		
	Base Concrete	Cum	1	66.5	4.8	0.6	191.52		
	Wall								
	Rectangle Portion	Cum	1	66.5	0.3	4.9	97.76		
	Triangle Portion	Cum	1	66.5	0.15	4.9	48.88		
								5812.00	
	Basic Rate							464.96	
	Area weightage 8%								
	Total						**769.96**	**6276.96**	**4832989.29**
9	KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3								
	Retaining Wall	Cum	Concrete Quantity				769.96		
		kg	Steel assumed 125 Kg/Cum of Concrete				97014.6		
		tonne					**97.01**		
								78007.00	
	Basic Rate							6240.56	
	Area weightage 8%								
	Total						**97.01**	**84247.56**	**8173241.82**
10	KSRRB M2200- Providing Weep Holes KSRRB M2200-8. Providing weep holes in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100 mm dia AC pipe, extending through the full width of the structure with slope of 1V :20H towards drawing foce. Complete as per drawing and Technical Specifications complete as per specifications MORTH Specification No.2706 & 2200								
	Northenside	Nos/ mtr	68				68.00		
	Easternside	Nos/ mtr	10				10.00		
		Nos/ mtr	57				57.00		
								147.00	
	Basic Rate							11.76	
	Area weightage 8%						**135.00**	**158.76**	**21432.60**
	Total								

Sl.No	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs
11	Supply and Installation of approved Wooden Floor for Indoor Hall - Maple Flooring with PU Scaler and coat polish 20mm,thickness*60mm width*2000mm, third &better grade treated sleepers of size 30*60mm to be installed 30cm center to center 20mmm professional EPDM rubber pad inclusive of HOM, labour etc. asper the directions of Engineer in charge **(Data Rate)**								
	Badmiton Court	Sqm	1	9.1	16.42		149.42		
	Total						**149.42**	**15000.00**	**2241330.00**
12	Providing and fixing of Aluminium composite panel of approved make and colour for wall cladding for curved Brick/Rcc/stone walls & coloumns/beams with necessary aluminium frame works at required level made out of 50x25x3mm C section or equalent. The panel should consist of 2.5 mm thermoplastic core of antitoxic LDPE sandwiched between 0.25 skins thick aluminium sheet making a total panel thickness of 3mm. The surfaces will be finished with PVDF based coating on topsides and service coating on reverse sides would be in polyester paint. The system shall be fixed using GI brackets, aluminium L cleats and stainless steel bolts and nuts complete with spring washer and cap nuts and all other necessary accessories, sealing shall be done using weather sealant necessary rods etc., complete.								
	Badmiton Court Front Side	Sqm	1	20.6		9.10	187.38		
	Basic Rate							4400.00	
	Area weightage 8%							352	
	Total						**187.38**	**4752.00**	**890451.78**
								TOTAL AMOUNT	**20979200.56**
								GST Charges (12% of estimated cost)	**2517504.07**
	Preparation of DPR and Architectural ,Structural Consultation fee(1% of estimated cost)								**250000**
								Project management Consultancy Charges(1% of estimated cost)	**250000**
								Electrical Lumpsum	**1000000**
								Miscellaneous and Rounding off	**3295.37**
								Grand Total	**25000000**
								RUPEES TWO CRORE FIFTY LAKHS ONLY	

Technical Sanction
Accorded For ... P-3853
... 250.00 Lakhs.
Head of A/C ...
CER NO : 160 ... Dt: 22/2/2021
TA CE (YNK)

Administrative Sanction for ... 250.00 Lakhs
Two Crore Fifty lakh Only
is accorded under head ... Miscellaneous and Rounding off
P-3853 Special Development works at Ynk
Registered as CE No. ...09...
to conditions contained in enclosed memo
No BBMP/EE/YNK/AS/09/2021-22 Dt: 06/08/2021
Executive Engineer

CERTIFICATE:

1) The work spot has been inspected and found to be necessary.
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum.
4) The estimate is based on C.S.R of 2018-2019 and Data rates, PWD Electrical 2019-20,PRED 2019-20, SE-RDED approved Rate and Issused Rates.

Assistant Engineer
BBMP

Assistant Executive Engineer
BBMP

Executive Engineer
BBMP